

**Abstract of the Disclosure**

An inkjet printer includes a print formatter circuit which receives high-level printing signals from a host computer, such as a PC or mainframe computer. The print formatter circuit translates the high-level printing signals into signals of an intermediate-level interface language, which is communicated to a printhead controller circuit. The printhead controller circuit in turn translates the intermediate-level interface language signals into discrete-event commands, and other finite action-element or condition-element signals or requirements, that are communicated to the inkjet printer and to a printhead in the printer. The discrete-event commands, finite action-element, and finite condition-element signals effect control of the movements of a carriage of the printer, or print medium movable past the carriage, and the actions of an inkjet printing cartridge carried in the carriage such that ink or other printing fluid is controllably ejected from the printing cartridge onto the print medium to form images or characters.